

Product Name: FBXO22 / SKP1

Alternate Names: FBXO22 (F-box only protein 22); SKP1 (S-phase kinase-associated protein 1)

Product Code: TE3-028

FOR RESEARCH USE ONLY (RUO)

Storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Verified Applications / Usage

FBXO22 / SKP1 is active in ternary complex formation assays using recombinant FKBP12 and the degrader molecule SP3CHO.

Physical Characteristics

Species: Human

Predicted MW (kDa): FBXO22: 47 kDa
SKP1: 23 kDa

Source: Sf9 (*S. frugiperda*)

Purity: 95 %

Tags: FBXO22: N-His₈-TEV
SKP1: N/A

Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

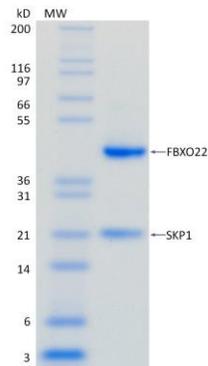
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: F-box only protein 22,
S-phase kinase-associated protein 1



2 µg FBXO22 / SKP1 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Verified in Ternary Complex Assay.

Background

Description

FBXO22 is the substrate receptor of the CUL1-RING E3 ligase CRL1-FBXO22. Recombinant human FBXO22 is co-purified as a stable heterodimer with its adaptor protein SKP1. FBXO22 protein contains an N-terminal His₈-TEV tag. SKP1 is untagged.

Accession Number: Q8NEZ5

Entrez Gene ID: FBXO22

Accession Number: P63208

Entrez Gene ID: SKP1

Protein Sequences

FBXO22:

MGHHHHHHHGSSENLVYFQSGMEPVGCCGECRGSVDPSTFVLSNLAEVVERVLTFLPAKALL
RVACVCRLWRECVRRVLRTHRSVTWISAGLAEAGHLEGHCLVRVVAEELENVRILPHTVLYMA
DSETFISLEECRGGHKKRARKRTSMETALALEKLFKQCQVLGIVTPGIVVTPMGSGSNRPQEIE
IGESGFALLFPQIEGIKIQPFHFVKDPKNLTLERHQLTEVGLLDNPELRVVLVFGYNCCKVGA
SNYLQQVVSTFSDMNIILAGGQVDNLSSLTSEKNPLDIDASGVVGLSFSGHRIQSATVLLNED
VSDEKTAEAAAMQRLKAANIPEHNTIGFMFACVGRGFQYYRAKGNVEADAFRKFFPSVPLFGFF
GNGEIGCDRIVTGNFILRKCNEVKDDDLFHSYTTIMALIHLGSSK

SKP1:

MPSIKLQSSDGEIFEVDVEIAKQSVTIKTMLEDLGMDDEGDDDPVPLPNVNAAILKKVIQWCT
HHKDDPPPPEDDENKEKRTDDIPVWDQEFKVDQGTLELILAAANYLDIKGLLDVTCKTVANM
IKGKTPEEIRKTFNIKNDFTEEEEAQVRKENQWCEEK